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DSC-HX100V/B

With 30x optical zoom, incredible low light performance, full 1080x60p HD movie capabilities, and innovative features like, hi-speed linear auto focus, 3D image capabilities, and backlight correction to catch even the smallest details in high contrast shots, the Sony® DSC-HX100V will renew your passion for photography.

- Carl Zeiss® Vario-Sonar® T Lens with 27mm equivalent wide angle lens and 30x Optical Zoom
  The high-performance Carl Zeiss® Vario-Sonar® T lens with 30x optical zoom lens brings distant subjects closer for video recording as well as for outdoor, sports, and travel photos, and Close Focus shoots close-ups within a ½" of the subject. A 27mm equivalent wide-angle lens allows you to take wider shots of the scene or group in crowded spaces.
- 3.0" (921K dots) XtraFine LCD
  3.0" (921K dots) XtraFine LCD with TruBlack technology gives you deeper blacks and more color in your display, all while being thinner than most LCDs.
- Full HD 1080/60p
  Record crystal clear movies at the highest resolution available with capabilities for 60p in 1080 Full HD. This provides stunning, fast motion video with less distortion for playback on your Blu-ray Disc™ players, Sony ® PlayStation® 3 systems and compatible PCs and HDTVs.
- Backlight Correction HDR
  Don't miss a single detail in high contrast shots. The built in backlight correction analyzes the image and automatically adjusts accordingly to give you a perfectly lit shot. Backlight Correction HDR helps correct for this by taking three pictures at different exposure settings and processing the best elements of each into a single image for more natural looking shots.
- Hi-speed Linear Focus
  Life moves fast, your camera's focus needs to move just as fast. The Hi-speed linear focus achieves dramatically clearer images with an auto focus that moves just as fast as your life.

- 3D still image and Sweep Panorama™ mode
  Produce awe-inspiring images with 3D still image and 3D Sweep Panorama™ capabilities.4 Photos will take on a new dimension of creative capabilities for viewing the world in a whole new way.
- Intelligent Sweep Panorama™ mode
  With Intelligent Sweep Panorama™ mode just press the shutter, pan the landscape and let the camera do the rest. It automatically links together each frame to produce a high resolution panoramic image providing the ability to zoom in on small details. This model even detects faces and moving subjects to stitch intelligently different widths to help avoid subject distortion.
- Background Defocus
  DSLR photographs are often beautiful because they blur the background, putting the emphasis on the subject. Now our point-and-shoot cameras can deliver this signature DSLR benefit. The system takes two shots, identifies the background and applies a defocused background keeping the subject crisp and clear.
- Superior Auto mode
  Superior Auto modeGet cleaner, more dynamic pictures and fewer missed shots. The camera automatically recognizes the correct scene mode, then quickly shoots and combines up to six shots to produce images with greater clarity, optimum dynamic range using backlight correction HDR technology and lower image noise using 6 shots layering technology.
  Superior Auto intelligently detects 33 scenes for still images and 44 scenes for movies, making it easy to get the best shot.
- Digital Zoom
  Capturing the right shot at the right moment has never been so easy. Digital zoom brings the action up close to get that perfect shot, every time.
- Optical SteadyShot™ image stabilization
  Optical SteadyShot™ image stabilization uses a built-in gyro sensor to detect camera shake and automatically shifts the lens to help prevent blur without sacrificing image quality.
- Soft Skin mode
  Portrait subjects will love the results. Soft Skin mode recognizes skin tones and reduces the appearance of blemishes and wrinkles without affecting the rest of the shot.
- Natural Flash
  Conventional point-and-shoot camera flash shots just don't capture colors the way the eye sees them. Natural Flash mode takes a reference shot without flash and then uses that reference to correct the color, for far more lifelike images.

ADDITIONAL FEATURES

- HDMI™ output
- Smile Shutter™ technology
- Face Detection technology
- Motion Detection
- Anti-blink Function
- Sweep Multi Angle™ mode
- Anti-Motion Blur Mode
- TransferJet™ technology
- Includes Sony® PMB (Picture Motion Browser) Software ver. 5.5
- Includes Sony® PMB Portable software

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Specifications

Convenience Features

Power Save Mode: Standard / Stamina / Off
Red-Eye Reduction: Auto / On / Off
Erase/Protect: Erase: Single / Select / Date / Folder / MP4 / AVCHD, Protect: Single / Select

LCD Display

Histogram: Yes
LCD Type: 3.0" XtraFine LCD with TruBlack technology (921K dots)
Grid Display: Yes (Off / On)
Angle Adjustment: Yes
Brightness Control: 5 steps

Flash

Flash Coverage: ISO Auto: Approx. 0.3-Approx. 12.7m
(Approx. 0.984'-Approx. 41.7') (W)
/ Approx. 2.0-Approx. 5.9m (Approx. 6.56'-Approx. 19.4') (T), ISO3200: up to Approx. 18.0m (Approx. 59.1) (W) / Approx. 8.4m (Approx. 27.6') (T)
Flash Modes: Auto / Flash On / Slow Synchro / Rear Slow Synchro / Flash Off

Viewfinder

Type: 0.2" (0.5cm) FLC (Ferroelectric Liquid Crystal) (201,600 pixels)
Diopter Adjustment: Yes

Optics/Lens

Aperture: iAuto (F2.8-F6.3 (W) / Program Auto (F2.8-F6.3 (W) / Speed Priority (F2.8-F6.3 (W) / Aperture Priority (F2.8-F8.0 (W) / Manual (F2.8-F8.0 (W)
Filter Diameter: No
Smart Zoom® Technology: 10M: Approx. 37x (Total),
5M: Approx. 53x (Total), VGA: Approx. 216x (Total), 16:9 (2M): Approx. 72x (Total)
Digital Zoom: Smart Zoom / Precision Digital Zoom / Off
Optical Zoom: 30x
Minimum Focus Distance: iAuto (W: Approx. 1cm (0.03') to Infinity, T: Approx. 200cm (6.56') to Infinity)
Focal Length (35mm equivalent): Still 16:9: 29-870mm, Still 4:3: 27-810mm, Movie 16:9: 29-870mm (Standard mode), 30-900mm (Active mode), Movie 4:3: 36-1080mm (Standard mode), 37-1110mm (Active mode)
Lens Construction: 11 elements in 10 groups (including 1ED glass element and 1aspheric element)
Lens Type: Carl Zeiss® Vario-Sonnar T®
Aperture (Max.): F2.8 (W)-5.6 (T)
Aspheric Elements: 1

Power

Battery Type: LITHIUM ION NP-FH50 6.8V
Battery Capacity: typical: 6.1Wh (900mAh), minimum: 5.9Wh (870mAh)
Power Consumption (in Operation): Approx. 1.3W
Power Requirements: AC Adaptor: AC 100V to 240V, 50/60 Hz, 18W

Software

Supplied Software: Windows®: PMB (Picture Motion Browser) Ver. 5.5, PMB Portable

Advanced Features

Image Stabilization: Optical SteadyShot™ Image Stabilization with Active Mode
In-Camera Editing: Trimming / Red Eye Correction / Unsharp Masking
Face Detection: 8 Faces (Auto / Off / Child Priority / Adult Priority / Key Selected Face Memory)
Anti Motion Blur: Yes
Background Defocus: Yes
Blink Detection: Yes
Dustproof: No
Embedded GPS: Yes
Intelligent Auto: Yes
Shockproof: No
Smile Shutter™ technology: Yes
Superior Auto: Yes
Sweep Panorama: Intelligent Sweep Panorama / 3D Sweep Panorama / Sweep Multi Angle
Tracking Focus: Off / Auto
Waterproof: No

Drive System

Burst Mode: Approx 10 fps at 16.2MP (Maximum 10 shots)
Self-timer: Off / 10sec. / 2sec. / portrait1 / portrait2
Shutter Speeds: iAuto (2"" - 1/4000) / Program Auto (1"" - 1/4000) / Shutter Priority (30"" - 1/4000) / Aperture Priority (8"" - 1/2000) / Manual (30"" - 1/4000)

Interface

PictBridge Compatible: No
TransferJet: Send: Yes (Single / Select , U2 Version), Receive: Yes (U2 Version)
SD Output: Yes
USB Port(s): Yes - Multi Use Terminal
Memory Card Slot: MS Duo and SD/SDHC/SDXC Compatible
Party Shot Compatible: No

Imaging Sensor

Processor: BIONZ™
Imaging Sensor: 1/2.3" (7.77mm) "Exmor R" CMOS Sensor
Effective Picture Resolution: 16.2MP
Pixel Gross: 16.8MP
Color Filter System: RGB primary color filters

Exposure System

D-Range Optimizer: Standard
ISO: Auto / 100 / 125 / 160 / 200 / 250 / 320 / 400 / 500 / 640 / 800 / 1000 / 1250 / 1600 / 2000 / 2500 / 3200
Noise Reduction: Clear RAW NR / NR Slow Shutter
Scene Mode(s): High Sensitivity / Soft snap / Landscape / Twilight Portrait / Twilight / Gourmet / Beach / Snow / Fireworks / Pet / Soft Skin / Handheld Twilight / Anti Motion Blur
White Balance Mode: Auto (Intelligent) / Daylight / Cloudy / Fluorescent 1 (White Fluorescent Lighting) / Fluorescent 2 (Natural White Fluorescent Lighting) / Fluorescent 3 (Day White Fluorescent Lighting) / Incandescent / Flash / One Push / White Balance Sift
Exposure Compensation: Plus / Minus 2.0EV, 1 / 3EV step
Metering Modes: Multi Pattern / Center Weighted / Spot

Recording

Media Type: optional "Memory Stick Duo" (No movie recording), optional "Memory Stick PRO Duo" (Mark 2 only for movie recording), optional "Memory Stick PRO-HG Duo", optional SD Memory Card (Class 4 or higher), optional SDHC Memory Card (Class 4 or higher), optional SDXC Memory Card (Class 4 or higher)
Microphone/Speaker: Stereo / Mono
Still Image Max Effective Resolution: Approx. 16.2 Megapixels
Panorama Still Image Size: 2D: 7,152 x 1,080 (183deg) / 4,912 x 1,080 (126deg) / 4,912 x 1,920 (130deg) / 3,424 x 1,920 (90deg); 3D: 7,152 x 1,080 (183deg) / 4,912 x 1,080 (126deg) / 4,912 x 1,920 (130deg) / 3,424 x 1,920 (90deg) /
1,920 x 1,080 (49deg)
Still Image Size 16:9: 12M (4,608 x 2,592) / 2M (1,920 x 1,080)
Still Image Size 4:3: 16M (4,608 x 3,456), 10M (3,648 x 2,736), 5M (2,592 x 1,944), VGA (640 x 480); 3D: 16M (4,608 x 3,456) / 16:9 (12M) (4,608 x 2,592)
Video Format: AVCHD 60i / 60p / MP4 / MPEG-4 AVC(H.264)
Sweep Multi Angle Image Size: 1,920 x 1,080 (15views)
Still Image Mode: JPEG
Still Image Size 3:2: No
Photo Capture from Movie: Yes
Dual Record: Yes
Audio Format: Dolby Digital (AC-3) / MPEG-4 AAC-LC

Focus Control

AF Illuminator: Auto / Off
AF Modes: 9 points AF (Under Face Undetected) / Center Weighted AF / Flexible Spot AF / Manual

Dimensions

Weight: 1lb 4.3 oz. (574.3g)
Measurements: W x H x D: 4 5/8" x 3 4/8" x 3 5/8" (119.0mm x 88.9mm x 93.0mm)

Color: Black
UPC Code: 027242808782

1. PMB requires Microsoft® Windows® XP SP3/ Windows Vista ® SP2/Windows 7 environments not supported. Not supported by Mac OS® .
2. Uploading directly to the web requires PMB Portable software and USB cable (included), and PC with internet connectivity. Windows® XP SP3 64-bit and Starter Edition and Windows Vista® Starter Edition environments not supported.
3. Movie recording is limited to 29 minute segments.
4. 3D viewing requires 3D HDTV, a high speed HDMI™ cable (supporting at least 10.2 Gbps) and 3D glasses (all sold separately).
5. TransferJet™ enabled media (sold separately) and TransferJet™ technology required in both devices. Interoperability and compatibility among TransferJet™ enabled devices may vary.
6. HD Viewing requires an HD output adapter cable (VMC-MHC1 sold separately) and compatible HDTV.

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